Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/19/2019 11:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125613	0	2.04	125646	2.04
Blue	F	SSC	125000	122395	-3	3.49	123156	3.54
Blue	E	FITC	16694	16619	-1	3.80	387	22.64
Blue	D	PE	32792	32519	-1	2.91	716	16.81
Blue	B	PerCP-Cy5-5	44451	44386	-1	4.72	1217	23.75
Blue	A	PE-Cy7	33645	33357	-1	7.24	601	49.54
Red	C	APC	47008	46803	-1	3.00	1806	13.47
Red	A	APC-Cy7	32298	31700	-2	2.84	796	14.49
Violet	B	V450	8961	8691	-4	4.67	605	14.16
Violet	A	V500	32726	31522	-4	4.38	787	11.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20900	4.51	613	0	N/A	N/A	Pass
Blue	F	SSC	55433	2.92	583	15	N/A	N/A	Pass
Blue	E	FITC	65	74.13	570	7	0.0145	153	Pass
Blue	D	PE	143	58.08	574	8	0.1192	266	Pass
Blue	B	PerCP-Cy5-5	224	58.52	678	7	0.0069	71	Pass
Blue	A	PE-Cy7	118	122.31	731	5	0.0084	23	Pass
Red	C	APC	415	29.05	616	3	0.0191	159	Pass
Red	A	APC-Cy7	196	31.12	586	1	0.0041	429	Pass
Violet	B	V450	137	40.01	482	-4	0.0259	1222	Pass
Violet	A	V500	122	34.42	492	-4	0.0182	747	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.76	-32.17	1.09
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.85	13.60 - 20.40	N/A	N/A	28.99	29.71	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11526

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments